



		NTSB ID: DEN02LA091		Aircraft Registration Number: N64796	
		Occurrence Date: 08/13/2002		Most Critical Injury: None	
		Occurrence Type: Accident		Investigated By: NTSB	
Location/Time					
Nearest City/Place Watkins	State CO	Zip Code 80137	Local Time 0930	Time Zone MDT	
Airport Proximity: On Airport		Distance From Landing Facility:		Direction From Airport:	
Aircraft Information Summary					
Aircraft Manufacturer Boeing		Model/Series D75N1		Type of Aircraft Airplane	
Sightseeing Flight: No			Air Medical Transport Flight: No		
Narrative					
<p>Brief narrative statement of facts, conditions and circumstances pertinent to the accident/incident:</p> <p>On August 13, 2002, approximately 0930 mountain daylight time, a Boeing D75N1, N64796, was substantially damaged when the pilot lost control during a touch and go landing at Front Range Airport, Watkins, Colorado. The airline transport pilot and his passenger received no injuries. Day visual meteorological conditions prevailed for the local personal flight being conducted under Title 14 CFR Part 91. The flight originated from Centennial Airport, Englewood, Colorado, at 0900, and was landing at its destination when the accident occurred.</p> <p>The instructor was in the front seat and the airplane owner who was receiving instruction was in the rear seat. The instructor said they entered the traffic pattern on the downwind leg for runway 17 (8,000 feet x 100 feet, dry asphalt). The airplane touched down "slightly tail high and bounced slightly (maybe 6 inches). The student allowed the air[plane] to turn right and bank left during the bounce. As the air[plane] touched down the second time, it swerved hard right and began to ground loop. Full left rudder and brake did not arrest the turn. The air[plane] departed the runway to the right, dragged the left wingtip (lower), turned left, dragged the right lower wing, went up on the nose, and came to rest on the propeller dome and the main gear." An oral statement made by the pilot-owner shortly after the accident corroborated the instructor's written statement.</p> <p>Postaccident examination of the airplane revealed substantial damage to the lower left wing spar, right lower wing, and upper right wing tip. The left main gear was also damaged extensively.</p>					
FACTUAL REPORT - AVIATION					

 National Transportation Safety Board FACTUAL REPORT AVIATION		NTSB ID: DEN02LA091				
		Occurrence Date: 08/13/2002				
		Occurrence Type: Accident				
Landing Facility/Approach Information						
Airport Name Front Range		Airport ID: FTG	Airport Elevation 5512 Ft. MSL	Runway Used 17	Runway Length 8000	Runway Width 100
Runway Surface Type: Asphalt						
Runway Surface Condition: Dry						
Type Instrument Approach: NONE						
VFR Approach/Landing: Traffic Pattern						
Aircraft Information						
Aircraft Manufacturer Boeing		Model/Series D75N1		Serial Number 75-1602		
Airworthiness Certificate(s): Acrobatic						
Landing Gear Type: Tailwheel						
Homebuilt Aircraft? No		Number of Seats: 2	Certified Max Gross Wt. 3200 LBS	Number of Engines: 1		
Engine Type: Reciprocating		Engine Manufacturer: Pratt & Whitney	Model/Series: R-985-AN	Rated Power: 450 HP		
- Aircraft Inspection Information						
Type of Last Inspection Annual		Date of Last Inspection 07/2002	Time Since Last Inspection 5 Hours	Airframe Total Time 6993 Hours		
- Emergency Locator Transmitter (ELT) Information						
ELT Installed? Yes		ELT Operated? Yes	ELT Aided in Locating Accident Site? No			
Owner/Operator Information						
Registered Aircraft Owner EMB Properties Inc		Street Address 6950 S. Potomac Street				
		City Englewood	State CO	Zip Code 80112		
Operator of Aircraft Same as Reg'd Aircraft Owner		Street Address Same as Reg'd Aircraft Owner				
		City	State	Zip Code		
Operator Does Business As:			Operator Designator Code:			
- Type of U.S. Certificate(s) Held: None						
Air Carrier Operating Certificate(s):						
Operating Certificate:			Operator Certificate:			
Regulation Flight Conducted Under: Part 91: General Aviation						
Type of Flight Operation Conducted: Instructional						
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First Pilot Information																																																																																				
Name		City		State	Date of Birth	Age																																																																														
On File		On File		On File	On File	52																																																																														
Sex: M	Seat Occupied: Front	Principal Profession: Civilian Pilot		Certificate Number: On File																																																																																
Certificate(s): Airline Transport; Flight Instructor; Commercial																																																																																				
Airplane Rating(s): Multi-engine Land; Single-engine Land																																																																																				
Rotorcraft/Glider/LTA: None																																																																																				
Instrument Rating(s): Airplane																																																																																				
Instructor Rating(s): Airplane Multi-engine; Airplane Single-engine; Instrument Airplane																																																																																				
Type Rating/Endorsement for Accident/Incident Aircraft?				Current Biennial Flight Review? 05/2001																																																																																
Medical Cert.: Class 2		Medical Cert. Status: Valid Medical--w/ waivers/lim.		Date of Last Medical Exam: 12/2001																																																																																
<table border="1"> <tr> <th rowspan="2">- Flight Time Matrix</th> <th rowspan="2">All A/C</th> <th rowspan="2">This Make and Model</th> <th rowspan="2">Airplane Single Engine</th> <th rowspan="2">Airplane Multi-Engine</th> <th rowspan="2">Night</th> <th colspan="2">Instrument</th> <th rowspan="2">Rotorcraft</th> <th rowspan="2">Glider</th> <th rowspan="2">Lighter Than Air</th> </tr> <tr> <th>Actual</th> <th>Simulated</th> </tr> <tr> <td>Total Time</td> <td>17728</td> <td>150</td> <td>3854</td> <td>13874</td> <td>6561</td> <td>1218</td> <td>92</td> <td>5</td> <td>22</td> <td>1</td> </tr> <tr> <td>Pilot In Command(PIC)</td> <td>16826</td> <td>150</td> <td>3784</td> <td>15914</td> <td>6558</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Instructor</td> <td>2760</td> <td>130</td> <td>2256</td> <td>504</td> <td>250</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Last 90 Days</td> <td>72</td> <td>5</td> <td>12</td> <td>65</td> <td>3</td> <td>5</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Last 30 Days</td> <td>24</td> <td>5</td> <td>12</td> <td>22</td> <td>3</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Last 24 Hours</td> <td>5</td> <td></td> <td></td> <td>5</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>						- Flight Time Matrix	All A/C	This Make and Model	Airplane Single Engine	Airplane Multi-Engine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air	Actual	Simulated	Total Time	17728	150	3854	13874	6561	1218	92	5	22	1	Pilot In Command(PIC)	16826	150	3784	15914	6558						Instructor	2760	130	2256	504	250						Last 90 Days	72	5	12	65	3	5					Last 30 Days	24	5	12	22	3						Last 24 Hours	5			5						
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Last 24 Hours	5			5																																																																																
Seatbelt Used? Yes		Shoulder Harness Used? Yes		Toxicology Performed? No		Second Pilot? Yes																																																																														
Flight Plan/Itinerary																																																																																				
Type of Flight Plan Filed: None																																																																																				
Departure Point		State	Airport Identifier	Departure Time	Time Zone																																																																															
Englewood		CO	APA	0900	MDT																																																																															
Destination		State	Airport Identifier																																																																																	
Same as Accident/Incident Location			FTG																																																																																	
Type of Clearance: None																																																																																				
Type of Airspace: Class E																																																																																				
Weather Information																																																																																				
Source of Briefing: Unknown																																																																																				
Method of Briefing: Unknown																																																																																				

 National Transportation Safety Board FACTUAL REPORT AVIATION		NTSB ID: DEN02LA091			
		Occurrence Date: 08/13/2002			
		Occurrence Type: Accident			
Weather Information					
WOF ID	Observation Time	Time Zone	WOF Elevation	WOF Distance From Accident Site	Direction From Accident Site
Den	0853	MDT	5431 Ft. MSL	10 NM	298 Deg. Mag.
Sky/Lowest Cloud Condition: Few			4000 Ft. AGL	Condition of Light: Day	
Lowest Ceiling: None			Ft. AGL	Visibility: 10 SM	Altimeter: 30.23 "Hg
Temperature: 13 °C	Dew Point: 6 °C	Wind Direction: 210		Density Altitude: 6070 Ft.	
Wind Speed: 4	Gusts:	Weather Conditions at Accident Site: Visual Conditions			
Visibility (RVR): Ft.	Visibility (RVV) SM	Intensity of Precipitation:			
Restrictions to Visibility: None					
Type of Precipitation: None					
Accident Information					
Aircraft Damage: Substantial		Aircraft Fire: None		Aircraft Explosion: None	
Classification: U.S. Registered/U.S. Soil					
- Injury Summary Matrix	Fatal	Serious	Minor	None	TOTAL
First Pilot					
Second Pilot				1	1
Student Pilot					
Flight Instructor				1	1
Check Pilot					
Flight Engineer					
Cabin Attendants					
Other Crew					
Passengers					
- TOTAL ABOARD -				2	2
Other Ground					
- GRAND TOTAL -				2	2
FACTUAL REPORT - AVIATION					

 <p>National Transportation Safety Board</p> <p>FACTUAL REPORT</p> <p>AVIATION</p>	NTSB ID: DEN02LA091	
	Occurrence Date: 08/13/2002	
	Occurrence Type: Accident	
Administrative Information		
<p>Investigator-In-Charge (IIC)</p> <p>Arnold W. Scott</p>		
<p>Additional Persons Participating in This Accident/Incident Investigation:</p> <p>Richard F Hosker Aviation Safety Inspector - Avionics FAA Flight Standards District Office 26805 E. 68th Ave., Suite 200 Denver, CO 80249</p>		
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